

HAER
CONN
6-GROT,
3A-

HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

U.S. Naval Submarine Base, New London Submarine
Escape Training Tank (Building 70)
Albacore and Darter Roads
Groton
New London County
Connecticut

HAER No. CT-37-A

NOTE: Photographs were taken by Rob Tucher, photographer, October 1987

- CT-37-A-1 VIEW OF ESCAPE TRAINING TANK, LOOKING NORTHEAST
- CT-37-A-2 VIEW OF ESCAPE TRAINING TANK, LOOKING NORTHWEST
- CT-37-A-3 VIEW OF ESCAPE TRAINING TANK, LOOKING SOUTH
- CT-37-A-4 VIEW OF ESCAPE TRAINING TANK, LOOKING EAST
- CT-37-A-5 VIEW OF ESCAPE TRAINING TANK, LOOKING NORTH
- CT-37-A-6 VIEW OF ESCAPE TRAINING TANK, LOOKING SOUTHEAST
- CT-37-A-7 VIEW OF ESCAPE TRAINING TANK, LOOKING UP SOUTH SIDE FROM 50-FOOT PASSAGEWAY, SHOWING 25-FOOT BLISTER AT LEFT, 18-FOOT PASSAGEWAY AND PLATFORM AT RIGHT
- CT-37-A-8 VIEW OF ESCAPE TRAINING TANK, LOOKING NORTHEAST FROM 50-FOOT PASSAGEWAY, SHOWING PORTION OF SPIRAL STAIR AND REPRESENTATIVE FLOOD LIGHT BLISTER
- CT-37-A-9 VIEW, LOOKING NORTH FROM LEFT TO RIGHT, SHOWING MEDICAL RESEARCH LABORATORY ANNEX, EXAMINING ROOM, AND EQUIPMENT ROOM
- CT-37-A-10 VIEW, LOOKING NORTHWEST FROM LEFT TO RIGHT, SHOWING PUMP ROOM AND DRESSING ROOM
- CT-37-A-11 VIEW, LOOKING EAST FROM LEFT TO RIGHT, SHOWING UNDERWATER WELDING/SCUBA ROOM, CLASSROOM BUILDING, AND MEDICAL RESEARCH LABORATORY ANNEX
- CT-37-A-12 VIEW, LOOKING SOUTH FROM LEFT TO RIGHT, SHOWING DRESSING ROOM AND WORK/CHAMBER ROOM

U.S. Naval Submarine Base, New London
Submarine Escape Training Tank (Building 70)
HAER No. CT-37-A
Index to Photographs
(Page 2)

- CT-37-A-13 VIEW, LOOKING WEST FROM LEFT TO RIGHT, SHOWING HIGH PRESSURE
AIR FLASK ROOM AND PUMP ROOM
- CT-37-A-14 DETAIL VIEW OF ESCAPE TRAINING TANK, SHOWING HOLD-DOWN RODS,
LOOKING SOUTH
- CT-37-A-15 VIEW OF ESCAPE TRAINING TANK, LOOKING EAST ACROSS MEZZANINE,
SHOWING ENTRANCE TO SUBMARINE SECTION AT 110-FOOT LEVEL
- CT-37-A-16 INTERIOR VIEW OF SUBMARINE SECTION AT 110-FOOT LEVEL, ESCAPE
TRAINING TANK, SHOWING LADDER TO ESCAPE TANK, LOOKING SOUTH
- CT-37-A-17 VIEW OF ESCAPE TRAINING TANK, SHOWING ENCLOSED PASSAGEWAY
FROM ELEVATOR TO 18-FOOT LOCK, LOOKING EAST
- CT-37-A-18 VIEW OF ESCAPE TRAINING TANK, SHOWING ENCLOSED PASSAGEWAY
FROM 50-FOOT LOCK TO ELEVATOR, LOOKING WEST
- CT-37-A-19 VIEW OF ESCAPE TRAINING TANK, LOOKING INTO 50-FOOT LOCK
- CT-37-A-20 DETAIL VIEW IN 18-FOOT LOCK, ESCAPE TRAINING TANK, SHOWING DOOR
INTO TANK AT RIGHT
- CT-37-A-21 VIEW OF ESCAPE TRAINING TANK, SHOWING INTERIOR OF CUPOLA AND
TOP OF THE TANK, LOOKING NORTHEAST
- CT-37-A-22 VIEW OF ESCAPE TRAINING TANK, LOOKING WEST FROM EAST SIDE OF
CUPOLA TOWARD ELEVATOR. TWO-LOCK RECOMPRESSION CHAMBER AT
REAR
- CT-37-A-23 VIEW OF ESCAPE TRAINING TANK, LOOKING NORTHWEST, SHOWING TWO-
LOCK RECOMPRESSION CHAMBER IN PASSAGEWAY FROM ELEVATOR TO
CUPOLA
- CT-37-A-24 VIEW OF EQUIPMENT ROOM WITH TRIPLE-LOCK RECOMPRESSION
CHAMBER, LOOKING SOUTHWEST
- CT-37-A-25 VIEW OF PUMP ROOM, LOOKING EAST, SHOWING AIR COMPRESSORS

U.S. Naval Submarine Base, New London
Submarine Escape Training Tank (Building 70)
HAER No. CT-37-A
Index to Photographs
(Page 3)

- CT-37-A-26 VIEW OF PUMP ROOM, SHOWING PORTIONS OF HIGH PRESSURE AIR SYSTEM AT LEFT AND CENTER AND OVERFLOW STORAGE TANK AT RIGHT, LOOKING NORTHWEST
- CT-37-A-27 VIEW OF UNDERWATER WELDING/SCUBA ROOM, FIRST FLOOR, LOOKING NORTH. Former location of tank indicated by circular ridge in linoleum at bottom right, and by framing of second floor at top right. Silhouettes of driver and two sharks on the floor are associated with the use of this building for scuba training.

The following are photocopies of photographs on file at the Submarine Force Library and Museum, Naval Submarine Base, New London:

- CT-37-A-28 VIEW OF OCTAGONAL SPREAD FOOTING AND HOLD-DOWN RODS [1929], SUBMARINE ESCAPE TRAINING TANK
- CT-37-A-29 VIEW OF SUBMARINE ESCAPE TRAINING TANK DURING CONSTRUCTION AT POINT JUST ABOVE THE SUBMARINE SECTION AT THE 110-FOOT LEVEL [1929-1930]
- CT-37-A-30 VIEW OF PHOTO CAPTIONED "SUBMARINE BASE, NEW LONDON, CONNECTICUT. 2 JUNE 1930. SUBMARINE TRAINING TANK - STEELWORK 98% COMPLETE; BRICKWORK 95% COMPLETE, PIPING 10% IN PLACE. LOOKING NORTH. CONTRACT NO. Y-1539-ELEVATOR, SUBMARINE ESCAPE TANK."
- CT-37-A-31 VIEW OF SUBMARINE ESCAPE TRAINING TANK DURING CONSTRUCTION OF THE ELEVATOR AND PASSAGEWAYS TO THE 18- AND 50-FOOT LOCKS AND CUPOLA [1932]
- CT-37-A-32 VIEW OF PHOTO CAPTIONED "SUBMARINE BASE, NEW LONDON, CONN. OCTOBER 3, 1932. COMPLETION OF ERECTION OF STEELWORK FOR ELEVATOR. LOOKING NORTH. CONTRACT NO. Y-1539-ELEVATOR, SUBMARINE ESCAPE TANK."
- CT-37-A-33 VIEW LOOKING UP EAST SIDE OF SUBMARINE ESCAPE TRAINING TANK [No date]
- CT-37-A-34 VIEW OF SUBMARINE ESCAPE TRAINING TANK PRIOR TO ADDITION OF BLISTERS IN 1959, LOOKING SOUTHEAST

U.S. Naval Submarine Base, New London
Submarine Escape Training Tank (Building 70)
HAER No. CT-37-A
Index to Photographs
(Page 4)

- CT-37-A-35 INTERIOR VIEW OF EQUIPMENT HOUSE, SUBMARINE ESCAPE TRAINING TANK, PRIOR TO ENLARGEMENT OF ROOM AND INSTALLATION OF TRIPLE-LOCK RECOMPRESSION CHAMBER IN 1957
- CT-37-A-36 VIEW OF CUPOLA, SUBMARINE ESCAPE TRAINING TANK, SHOWING ROVING RESCUE BELL SUSPENDED ABOVE TANK, WITH TWO-LOCK RECOMPRESSION CHAMBER AT REAR, LOOKING WEST. Photo taken after installation of recompression chamber in 1956.
- CT-37-A-37 INTERIOR VIEW OF TANK FROM THE TOP, SHOWING LADDERS ON SIDES AND THE WATERTIGHT DOOR OF THE 18-FOOT LOCK [No date]
- CT-37-A-38 INTERIOR VIEW OF TANK. Suspended wooden platform obscures bottom of tank [No date]
- CT-37-A-39 VIEW OF TRAINEE EMERGING FROM ON THE AIR LOCKS INTO THE SUBMARINE ESCAPE TRAINING TANK. HIGH HOOKA STRADDLES DOOR AT LEFT, WHILE LOW HOOKA ASSISTS TRAINEE [No date]
- CT-37-A-40 VIEW LOOKING IN TANK JUST OUTSIDE DOOR TO AIR LOCK. HIGH HOOKA IS POSITIONING THE STEINKE HOOD ON THE TRAINEE, WHILE LOW HOOKA HOLDS HIM IN PLACE [No date]
- CT-37-A-41 VIEW LOOKING IN TANK, SHOWING TRAINING DURING ASCENT (WEARING STEINKE HOOD) AT RIGHT, DIVING INSTRUCTOR AT LEFT MAINTAINING HIS POSITION ON THE WIRE [No date]
- CT-37-A-42 VIEW SHOWING A GROUP OF TRAINEES DURING 50-LB PRESSURE TEST IN RECOMPRESSION CHAMBER IN EQUIPMENT HOUSE [No date]

The following are photographic copies of drawings and blueprints of the submarine escape training tank, filed under "Building 70" in the Engineering Section, Public Works Office, Naval Submarine Base, New London:

- CT-37-A-43 GENERAL PLAN OF TANK, Y&D No. 107721
Scales 3/16" and 3/4" = 1'; July 2, 1929
- CT-37-A-44 TANK LOFT: PLANS, ELEVATIONS AND DETAILS, Y&D No. 107722
Scales as indicated; July 2, 1929

U.S. Naval Submarine Base, New London
Submarine Escape Training Tank (Building 70)
HAER No. CT-37-A
Index to Photographs
(Page 5)

- CT-37-A-45 STEEL FRAMING FOR LOFT, Y&D No. 107723
Scales 1/2" and 1-1/2" = 1"; July 2, 1929
- CT-37-A-46 DETAILS OF PLATFORMS & STAIRS, Y&D No. 107724
Scales 3/4" = 1' and as indicated; July 2, 1929
- CT-37-A-47 FOUNDATION PLAN, Y&D No. 107725
Scales as noted; July 2, 1929
- CT-37-A-48 DETAILS OF AIR LOCKS, Y&D No. 107726
Scale 3/4" = 1'; July 2, 1929
- CT-37-A-49 DETAILS OF SUBMARINE SECTION, Y&D No. 107727
Scale 3/8" and 1-1/2" = 1'; July 2, 1929
- CT-37-A-50 PIPING FOR SUBMARINE SECTION, Y&D No. 107728
Scale 3/8" = 1'; August 26, 1929
- CT-37-A-51 LOFT. HEATING. PLANS, ELEVATIONS 7 DETAILS, Y&D No. 107729
Scales 3/16", 1/4", 1/2", and 1" = 1'; July 2, 1929
- CT-37-A-52 EQUIPMENT HOUSE, Y&D No. 107730
Scales 1/4", 3/8", 3/4", 1-1/2" and 3" = 1'; July 2, 1929
- CT-37-A-53 EQUIPMENT HOUSE AND PIPING, PLANS AND ELEVATION, Y&D No. 107731
Scale 1/2" = 1', July 2, 1929